

WIN THE BATTLE FOR LUMBER with



LIGHTWEIGHT GASOLINE ENGINE TIMBER

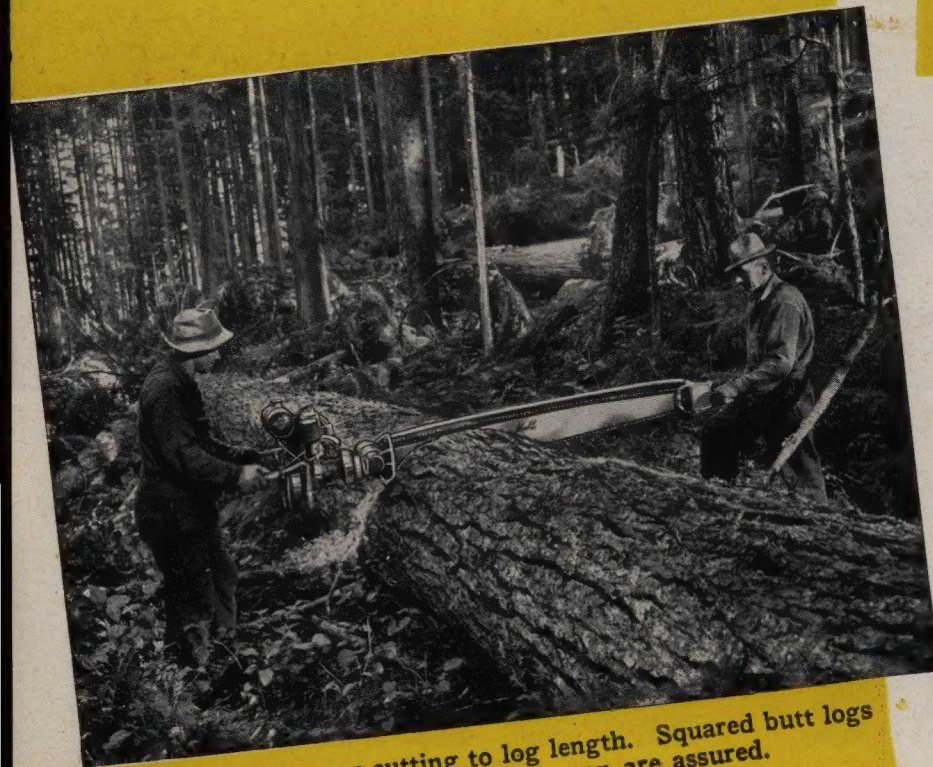
CHAIN SAWS

**GET SPEED—ACCURACY—
GREATER PROFITS**

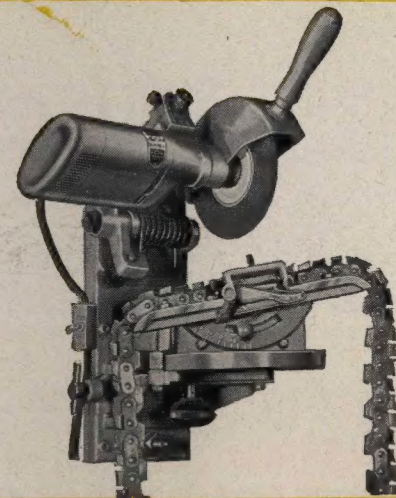
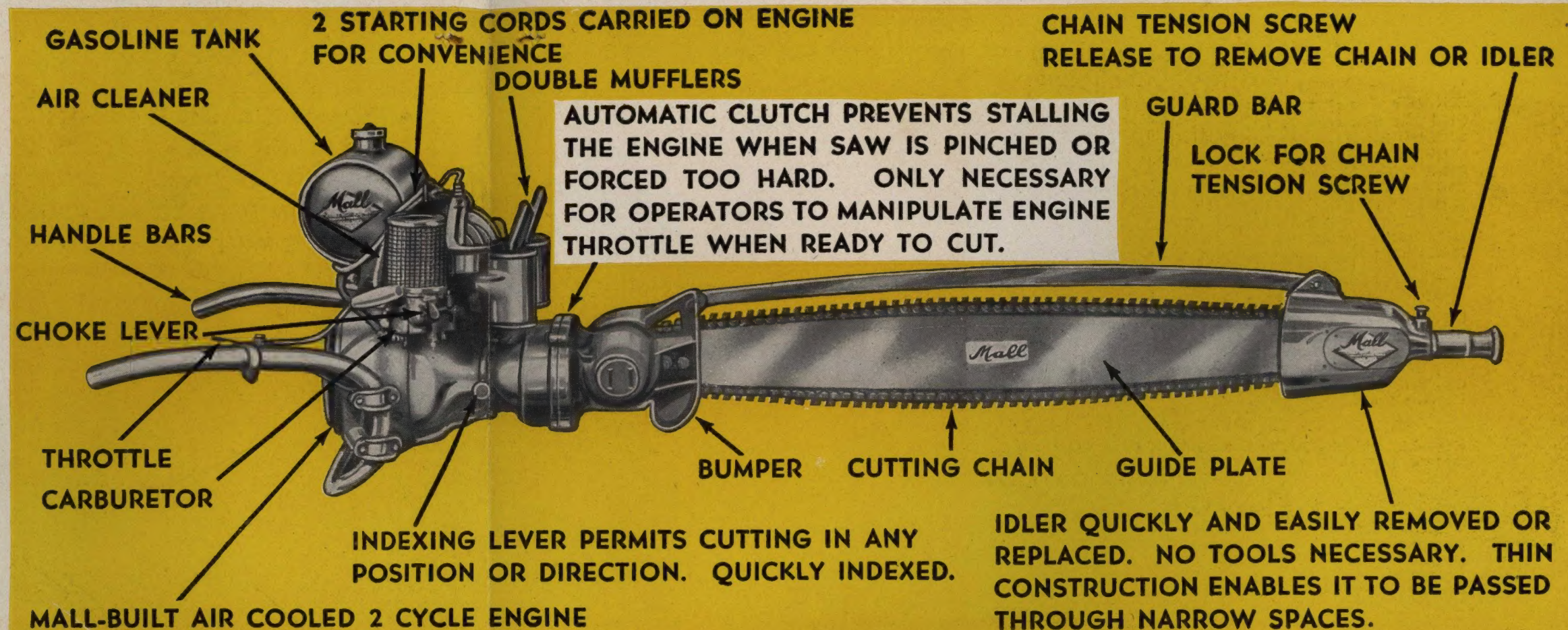
THESE STURDY SAWS HELP SOLVE TODAY'S URGENT PROBLEMS... THE MAN POWER SHORTAGE AND THE DEMANDS FOR MORE LUMBER



Felling trees with a MALL Timber Chain Saw. Trees can be grounded many times faster than hand sawing.



Bucking felled trees or cutting to log length. Squared butt logs and increased production per man are assured.



Close-up view of the MALL electrically driven wall model chain saw sharpener.

CHAINS SHOULD NEVER BE ALLOWED TO BECOME TOO DULL—KEEP THEM SHARP FOR MAXIMUM EFFICIENCY.

This electric chain saw sharpener is easily set up in the shop or operated from a power plant in the field. With a little experience an operator can sharpen a chain in a few minutes' time. Electric unit available in tripod and wall model mountings.

CHECK THESE OUTSTANDING FEATURES!

- Automatic centrifugal type, stall-proof clutch. If the saw is forced too hard or pinched, the engine will not stop. It keeps right on going! When the difficulty is corrected, the operator can continue to saw by simply operating the gasoline engine throttle.
- Available in 24", 36", 48", 60" and 72" capacities.
- Trees are felled and bucked fast and accurate.
- Time is saved—so is timber.
- Get square butt logs and lower stumps.
- Cut felling costs...produce more usable timber per tree.
- Greater economies over hand methods.
- Increased production per man and less fatigue.
- Cuts horizontally or vertically by adjusting simple index lever.
- Quickly and easily serviced in the field.
- Move equipment from tree to tree even over rough ground with a minimum loss of time.
- Simple and novel chain tensioning device.
- Many times faster than hand sawing...cuts hardwoods and softwoods with equal efficiency.
- Lightweight units in all capacities.
- Valuable safety feature in that chain stops when hand is removed from throttle.
- Guide plate is reversible end for end and side for side which gives four times the wearing surface.

COMPLETE SPECIFICATIONS OF THE CHAIN SAW AND SHARPENER ARE FURNISHED ON THE LAST PAGE OF THIS FOLDER.

YOU GET GREATER PRODUCTION WITH *Mall* CHAIN SAWS

REG. U.S. PAT. OFF.



SPECIFICATIONS

2 CYCLE GASOLINE ENGINE CHAIN SAW

ENGINE

ENGINE: Two stroke cycle design.
PISTON: Aluminum alloy.
CYLINDER: Made from cast aluminum alloy.
CONNECTING ROD: Forged steel.
CRANKSHAFT: Forged steel.
ROD BEARING: Roller bearings on both ends.
MAIN BEARINGS: Ball type.
CRANKCASE: Magnesium alloy.
MUFFLER: Double.
IGNITION: High tension magneto. (Scintilla)

CARBURETOR: Special float feed, plain tube type.
FUEL FILTER: In bottom of tank.
AIR FILTER: Air cleaner type. Large capacity.
COOLING: By flywheel fan.
STARTER: Rope starter.
TRANSMISSION: Hardened bevel gears running in oil. Shafts running on ball bearings.
CLUTCH: Automatic centrifugal type. Chain stops when throttle is released. (A safety and ease of handling feature.)

CHAIN

CHAIN SAW CAPACITIES: 24", 36", 48", 60", 72".
CHAIN: Special heat treated saw steel.
CHAIN LUBRICATION: By hand oiler.
CHAIN TENSION: Spring loaded. Adjustment by turning idler handle grip. Idler running on roller bearings.
CUTTING ANGLE: Adjustable to vertical—up or down—horizontal—right or left—end may be tipped for intermediate points.

IDLER

New—Lightweight—Quickly Detachable. Can be removed and replaced when in cut. Sprocket and chain on end properly guarded.

PRICES AND SHIPPING DATA

Model	Capacity	Price WITH OILING IDLER (Not quickly detachable model)	Price (With quick detachable Idler)	Net Weight	Domestic Shipping Weight	Export Shipping Weight
No. 624	24"	\$590.00	\$540.00*	78 lbs.	150 lbs.	230 lbs.
No. 636	36"	600.00	550.00*	82 lbs.	155 lbs.	235 lbs.
No. 648	48"	610.00	560.00*	87 lbs.	165 lbs.	245 lbs.
No. 660	60"	620.00	570.00*	93 lbs.	175 lbs.	255 lbs.
No. 672	72"	630.00	580.00*	100 lbs.	185 lbs.	265 lbs.

*Prices include complete set of tools in steel tool box, set of instructions, gasoline can, extra chain links and accessories for emergency servicing in the field.

ALL PRICES F.O.B. Chicago, Illinois. Prices and specifications subject to change without notice.
SPECIFY TYPE OF IDLER REQUIRED WHEN ORDERING.



CHAIN SAW SHARPENERS

SPECIFICATIONS

MODEL 19720 ELECTRIC WALL MODEL SHARPENER

(Available for 110 volt AC or DC, or 220 volt AC or DC operation. Specify current.)

PRICE \$150.00, F.O.B. Chicago

Net Weight: 33 lbs.

GRINDING SPINDLE: Ball bearing mounted provided with dust flingers to keep out dirt. Gear driven from the armature shaft. Gears totally enclosed and running in oil.

ARMATURE SHAFT: Balanced and ball bearing mounted.

MOUNTING: Arranged to be fastened to the wall.

GRINDING WHEELS: 2½" x 6" x ¾" hole—high speed.
1½" x 6" x ¾" hole—high speed.

ADJUSTMENTS: Various face angles from 40° left to 40° right.
Various hook angles from 40° positive to 40° negative.
Various depths of throat cut.
Various amounts to be taken off face.

Various thickness of center teeth. Therefore, various makes of chains can be sharpened.

INDEX FINGER: Easily replaceable. An extra finger supplied with each machine.

MALL TOOL COMPANY

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Chicago 19, Illinois

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